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## [54] POLYPHASE DIVIDER/COMBINER

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333/161; 330/295[58] Field of Search ..... 333/125, 127, 128, 136,  
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## [57] ABSTRACT

A polyphase divider/combiner is provided and which includes a common input/output port and a plurality of N output/input ports, wherein N is an even integer greater than two. N electrical signal transmission paths are provided with each extending from the common input/output port to a respective one of the N output/input ports. The N electrical signal transmission paths are of N different electrical lengths such that the output/input ports are out of phase relative to each other by  $180/N$  degrees.

8 Claims, 2 Drawing Sheets

